Information Guide

ISO 50001:2018 Energy Management Systems (EnMS)

What is ISO 50001?

ISO 50001 is an internationally recognized standard, which can be applied / implemented by any organization or services industry which is involved in activities affecting Energy Performance. This standard can be uniformly applied to organizations of any size or complexity irrespective of their geographic location. Energy Management System (EnMS) standard was developed by the International Organization for Standardization (ISO), with an intention to help organizations to conserve resources and address all Risks associated with Energy consumption.

EnMS prescribes controls over those activities that have an impact (Positive / Negative) on the overall energy consumption. These primarily include the use of alternative renewable energy sources as well as the implementation of new designs and innovations in Utilities and processes for the overall reduction in Energy consumption indirectly reducing costs.

ISO 50001:2018 version is a 10 clause structure and has adopted P-D-C-A cycle for effective implementation of Energy management system. The overall focus is on understanding current energy consumption patterns and working on techniques to reduce the dependence on Energy and overall reduce operational costs.

What are the Focus Points of ISO 50001:2018 Implementation?

1. Identification of processes having major Energy consumption
2. Formulating Energy Saving Policy and Objectives
3. Assessing Risks related to inefficient energy usage
4. Energy Review and usage pattern understanding.
5. Setting up a robust system for documentation and preparation of customized records.
6. Legal & Statutory Compliance
7. Energy-saving and Energy Awareness Training

What are the documents required for ISO 50001 certification?

- The documentation requirement for Energy Management System (EnMS) comprises
1. The organizations scope and Boundaries
2. The organizations Energy policy and Energy Objectives
3. Health and Safety Manual
4. Energy Assessment
5. Energy Target action plan
6. Standard operating Procedures
7. Records at individual process / department. E.g. Energy baseline, Energy action plan, Training, Maintenance, Customer Service.

Who all are eligible for ISO 50001:2018 Certification?

- Manufacturing units & Commercial buildings
- Service sector including Educational institutes, Hospitals and other service providing units
- Trading units
- Any other business units irrespective of nature of business, size and location.

How will ISO 50001 implementation benefit your organization?

- Establishment of Energy efficient processes and overall cost reduction.
- Reduction in Risk of Non-Compliance related to Legal and Statutory Requirements
- Conservation of resources and recognition as Green Organization.
- Overall Satisfaction and Retention of Valuable Customers
- Good Marketing Tool and Credibility for expansion of business at International locations.
- Status of an environmentally responsible organization

How did ISO 50001:2018 evolve throughout the year?

- Year 2007 – United Nations Industrial Development Organization (UNIDO) decided to take a tough stance against climate change and focus on reducing the overall Carbon Footprint.
- Year 2008 – Experts of ISO from all over the globe set up a committee to study Energy consumption patterns and device guidelines for Energy Consumption.
- Year 2011 – ISO 50001 was first published for general usage
- Year 2018 – First-ever revision of ISO 50001 standard was published with improvements.

ISO 50001 Reference standards

- ISO 50004 Energy management systems - General guidelines on implementation, maintenance, and improvement
- ISO 50006 Energy management systems – Measuring Energy performance baselines (EnB) & Energy Performance Indicators (EnPI)
- ISO 50047 Environmental management systems – Energy Savings

What is the validity of the ISO 50001 Certification?

- The validity of the ISO 50001 Certification is 3 Years.

What is the frequency of ISO audit for ISO 50001 Standards during the validity period?

- One year is the frequency of ISO audit for ISO 50001 Standards during the validity period.

What happens to my existing Energy Management System Certificate when any standard is revised?

- Generally, whenever there is a revision, the previous standard is kept valid for 2 to 3 years. It is also called as transition period. Earlier the organization certified as per previous standards is expected to upgrade and get certified in accordance with revised new standard.

What is the principle of ISO 50001?

- Acquiring an Energy Management System, that provides a structure for organizations to Develop a strategy for more proficient use of energy. Fix targets and objectives to meet the policy of the organization. Use the data generated for better understanding and make resolutions about energy use

How will PQSmitra help you with Hassle Free Implementation process for ISO 50001:2018 Certification?

PQSmitra adopts a detailed processing approach for effective system implementation at the organization. ISO 50001 implementation helps organizations to reduce energy consumption which leads to cost savings along with conservation of resources. PQSmitra team assists clients with 100% documentation assistance towards successful certification in the very 1st attempt. The implementation process is described below:

- Initial visits and review of the existing operational processes and their direct interdependence on Energy consumption
- Identification of various Energy processes and initial Energy Review
- Identify the key Energy performance indicators and setup objectives for improvement
- Training and Handholding/ support for implementation
- Internal audit for verification of implemented system
- Management review and suggestions for improvement points.
- Certification audit – Stage 1 and Stage 2
- Closure of non-conformities if any
- Rewarding the ISO 50001 certificate to the organization for successfully complying with the Energy Management system.

PQSmitraService Features appreciated by clients

Simple & Practical Approach	21 Years of Service	2500+ Successful Projects	5,56,000+ Consulting Hours

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